Headquarters U.S. Air Force

I n t e g r i t y - S e r v i c e - E x c e l l e n c e

Streamlining Space Acquisition Oversight

National Security Space Acquisition Policy 03-01

SAF/USAP

Directorate of Space Acquisition

10 March 04

U.S. AIR FORCE

- **Familiarize MAJCOM action officers with the new NSS Space Acquisition Policy and the capabilities based acquisition process**

  - **Why a space acquisition policy?**

- **Discuss revised Acquisition Process and Guidance to support warfighter requirements**

THE SECRETARY OF DEFENSE
1000 DEFENSE PENTAGON
WASHINGTON, DC 20301-1000

OCT 18 2001

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS
CHAIRMAN OF THE JOINT CHIEFS OF STAFF
UNDER SECRETARIES OF DEFENSE
DIRECTOR, DEFENSE RESEARCH AND ENGINEERING
ASSISTANT SECRETARIES OF DEFENSE
INSPECTOR GENERAL OF THE DEPARTMENT OF DEFENSE
DIRECTOR, OPERATIONAL TEST AND EVALUATION
ASSISTANTS TO THE SECRETARY OF DEFENSE
DIRECTOR, ADMINISTRATION AND MANAGEMENT
DIRECTORS OF DEFENSE AGENCIES

SUBJECT: National Security Space Management and Organization

I have completed my review of the conclusions and recommendations of the Commission to Assess United States National Security Space Management and Organization as required by section 1623 the National Defense Authorization Act for Fiscal Year 2000. I agree with the Commission's conclusion that a new and comprehensive approach to national security space management and organization is needed to promote and protect the nation's interests in space.

The attachment provides additional guidance as to how best to ensure the Department of Defense is arranged and focused for this purpose.

I have asked the Under Secretary of Defense for Acquisition, Technology, and Logistics to oversee this activity and provide me with regular updates on the status of implementation actions.

Attachment:
As stated
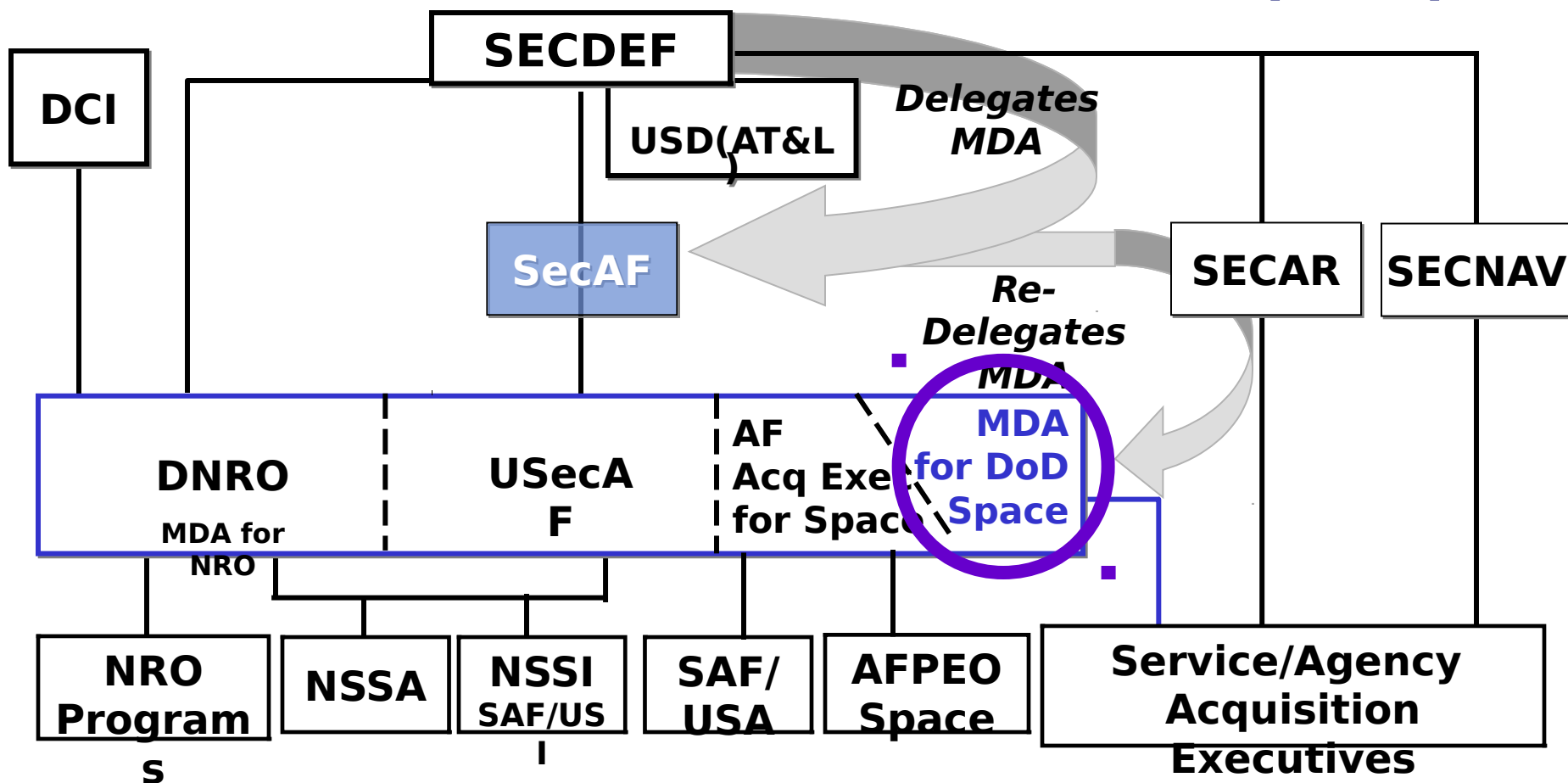
cc:
Director of Central Intelligence

U17370 /01

- Delegate MDA for DoD Space to AF
- Designate AF as DoD Space Exec Agent
- Assign USecAF as AF AE for Space
- Establish a "virtual" Space MFP
- Appoint USECAF as DNRO
- Separate AFSPC/CC from CINCSPACE
- Reassign SMC to AFSPC
- Assign SMC/CC as PEO(Space)
- Assign PEO(Space) to USecAF
- Establish process for AFSPC/CC to oversee:
  - Space S&T funds
  - Space career field
- Align AF-NRO Best Practices

SECDEF Message: Single Leader for National Security Space

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DIRECTORATE OF SPACE ACQUISITION
SAF/USA
Acting Director, Mr. Rich W. McKinney (SES)

Space Plans & Policy
SAF/USAP
Lt Col Leslie Blackham

NSS Acq Policy 03-01

Mission Support, Congressional & Budget
SAF/USAM
Ms Lauri A. Smith

Congressional, PPBS, Execution, Computer Support

Space Control & Advanced Technology
SAF/USAC
Lt Col Michael Fleri
ACTING

Space Control
SBR, NSSA
TENCAP, SWC
Spacetrack

Space Force Enhancement
SAF/USAE
Col Pamela Hodge

Adv EHF, Milstar, Interim Polar, Transformational Comm, WGS, DSCS, CCS-C MILSATCOM Terminals, CSEL, GBS
SBIRS, DSP, GPS (Space/UE/NDS),

Space Support & Force Application
SAF/USAL
Col James M. Knauf

MEECN, RLV, STP, RSLP
Ranges, AFSCN, RDSMO,
EELV,
ICBM –
Modernization
&
Dem/Val
QRS, CAV, MLV

20 Feb
04

U.S. AIR FORCE

NATIONAL SECURITY SPACE INTEGRATION DIRECTORATE
SAF/USI
Director, Maj Gen Robert C. Kehler
Deputy Director, Mr. Jay Parness (SES)

Compliance Division
Mr. George Smith

Special Assistant
Col Stan Mushaw

System/Operations Integration Division
SAF/USIS
Col Frank Todd (ARMY)

Program Integration Division
DSAB Executive Secretariat Support
SAF/USIP
Col Joseph Rouge

Planning Integration Division
SAF/USIX
Col Thomas Shearer

Special Projects Division
SAF/USIR
Lt Col Catherine McGinn

Assistant Secretary for Acquisition (SAF/AQ)

Assistant Secretary (Acquisition) Dr Marvin Sambur	SAF/AQ Principal Deputy Lt Gen Corley

Program Executive Officers (Execution)

AFPEO/AC Aircraft Systems LtGen Looney BGen Bowlds	AFPEO/C2&CS Command & Control LtGen Johnson BGen Mahan	AFPEO/WP Weapons MGen Chedister	AFPEO/JSF Joint Strike Fighter MGen Hudson	AFPEO/FA-22 F/A-22 Program MGen Lewis	AFPEO/CM Services Mr Beyland

Capability Directors (Air Staff)

SAF/AQQ Global Reach MGen Hodges	SAF/AQP Global Power MGen Welsh	SAF/AQI Information Dominance Mr Smart	Staff Group (AQA) Scientific Adv. Board AF Chair - DSMC

Functional Directors – Support both Space & Non-Space

SAF/AQC Contracting Mr Williams	SAF/AQL Special Programs Col Bujold	SAF/AQR Science, Tech & Eng Mr Engle	SAF/AQX Acquisition Integration Mr Durante

360+ Military & Civilians; 200+ Support Contractors

UsecAF NSS Acquisition Policy Guidance

- **Establish a "common" acquisition process between NRO and DoD that is tailored for space systems**

- **Improve the probability of delivering what we promise**

- **Reduce the Acquisition Decision Cycle Time**

Streamlined Policy

- **DoD Directive 5000.1**
  - **Principles retained; innovation/flexibility emphasized**
- **DoD Instruction 5000.2**
  - **Detailed discussion of acquisition model**
  - **Focused on required outcomes and statutory requirements**
  - **MDA can tailor**
- **NSS Acquisition Policy 03-01, dtd 6 Oct 2003**
  - **Detailed discussion of acquisition model tailored for space**
    - **Portions of DoDI 5000.2 under AT&L jurisdiction are waived for space systems**
  - **NSS 03-01 refers space systems back to DODI 5000.2 for those portions not waived (Test & C4ISP)**
- **DoD Acquisition Guidebook - Non-mandatory**
  - **Canceled DoD Regulation 5000.2**
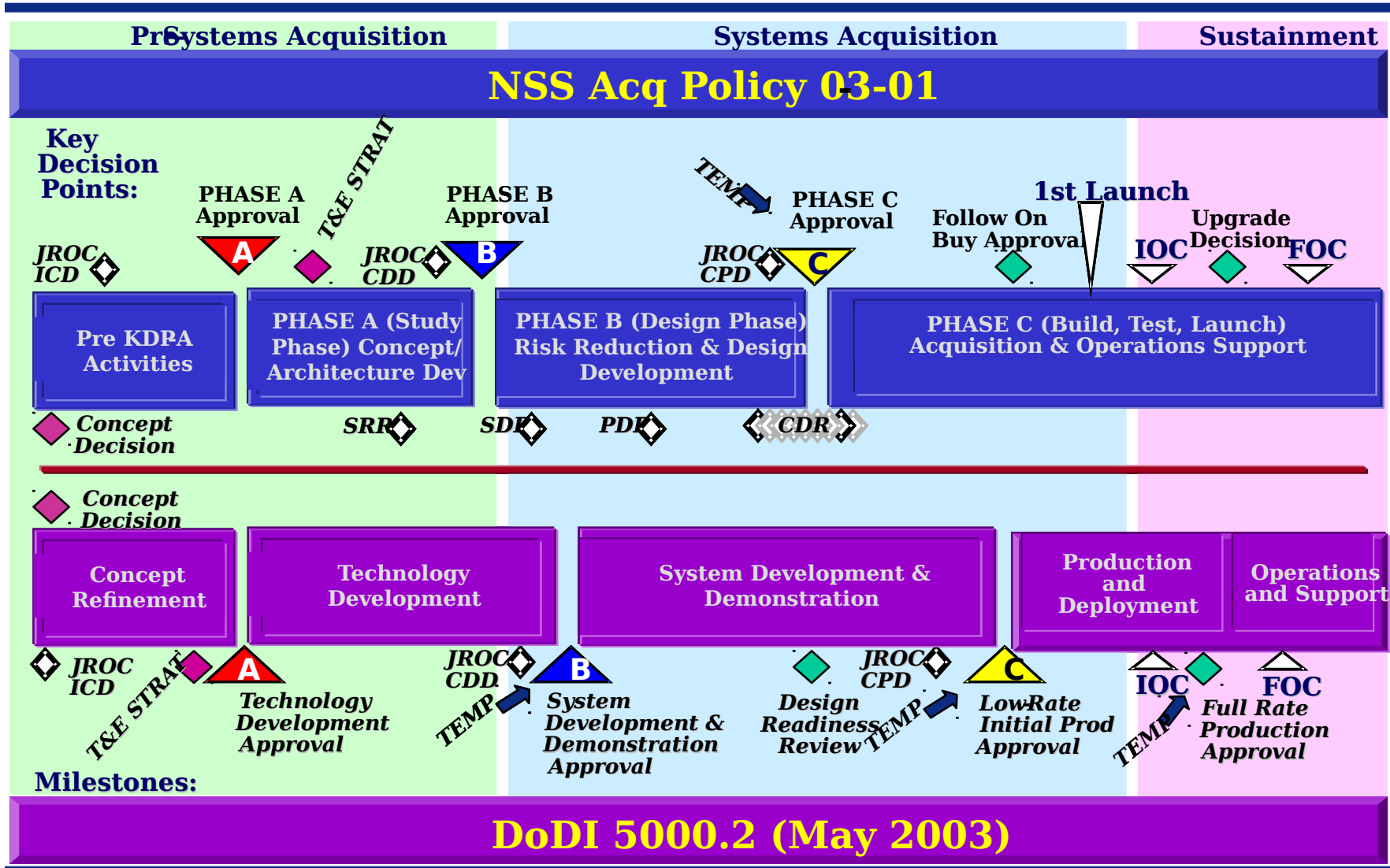 - **Guidance on practice and procedure**
  - **Revision underway**

Acquisition Categories and Milestone Decision Authority

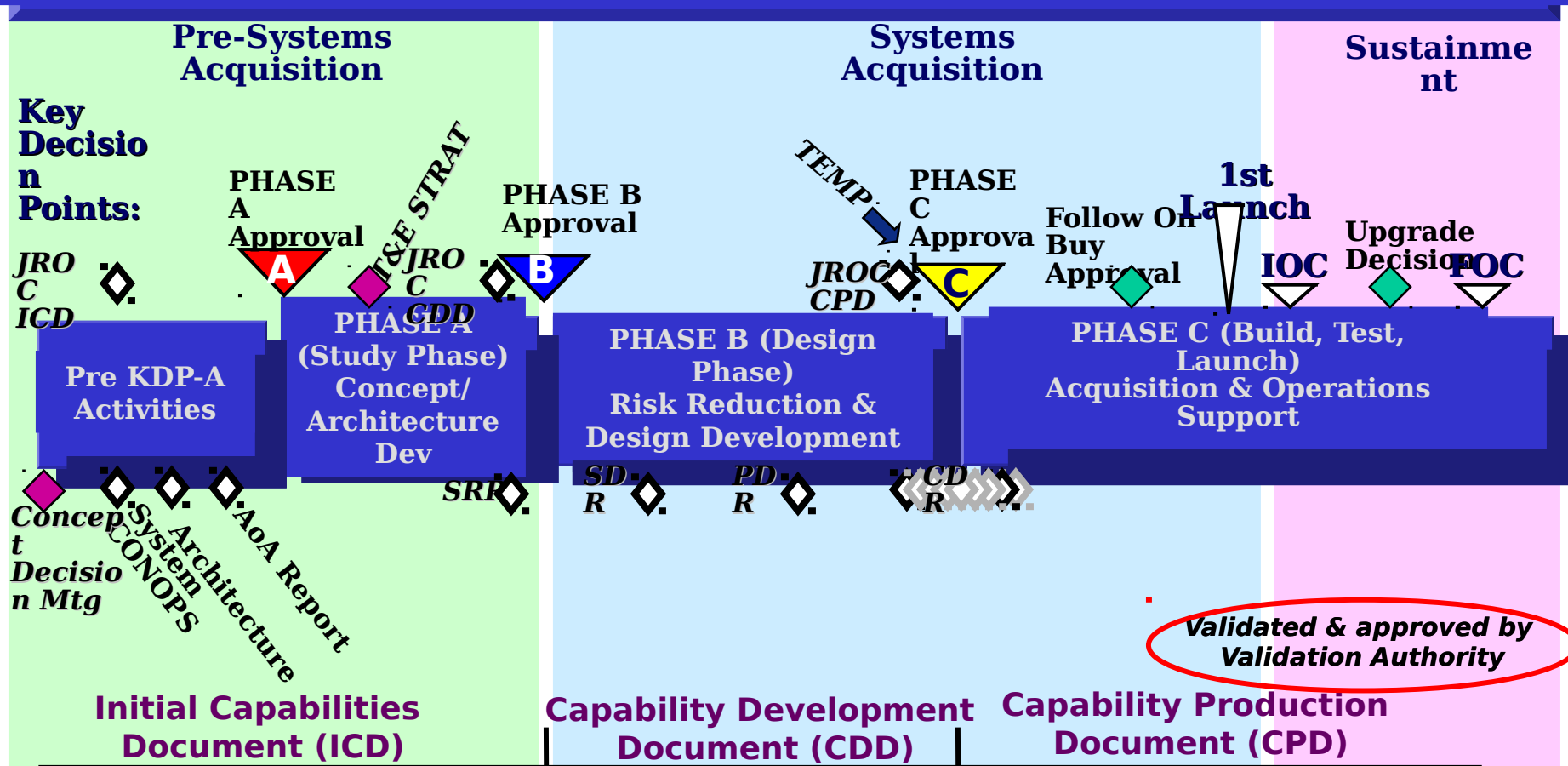| Classification	Non-Space Programs		Space Programs
	Sub-Designation	MDA	MDA
MDAP Greater than $365M RDT&E $2.19B Proc	ACAT ID	USD(AT&L)	USecAF
	ACAT IC	SAF/AQ as delegated by SecAF	
MAIS	ACAT IAM	ASD(NII)/DoD CIO	
	ACAT IAC	AF CIO as delegated by DoD CIO	
Major System Greater than $140M RDT&E $660M Proc	ACAT II	SAF/AQ	AFPEO/SP
Non-major System (Space – Minor) Less than $140M $660M Proc	ACAT III	AFPEO, DAC, or lower	
Technology projects	ATDs, ACTDs, joint warfighting experiments, concept refinement	USD(AT&L) or ASD(NII)/DoD CIO or SAF/AQ	USD(AT&L) or ASD(NII)/DoD CIO or USecAF

Tailored Process for Space: Acquisition Phase Comparison

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Pre-Systems Acquisition | Systems Acquisition | Sustainment

NSS Acq Policy 03-01

Key Decision Points:

PHASE A Approval — A

PHASE B Approval — B

TEMP — PHASE C Approval — C

1st Launch — Follow On Buy Approval — IOC — Upgrade Decision — FOC

JROC ICD — T&E STRAT — JROC CDD — JROC CPD

Pre KDP-A Activities

PHASE A (Study Phase) Concept/ Architecture Dev

PHASE B (Design Phase) Risk Reduction & Design Development

PHASE C (Build, Test, Launch) Acquisition & Operations Support

Concept Decision — SRR — SDR — PDR — CDR

Concept Decision

Concept Refinement

Technology Development

System Development & Demonstration

Production and Deployment

Operations and Support

JROC ICD — T&E STRAT — A — JROC CDD — TEMP — B — Design Readiness Review — JROC CPD — TEMP — C — IOC — TEMP — FOC

Technology Development Approval

System Development & Demonstration Approval

Low Rate Initial Prod Approval

Full Rate Production Approval

Milestones:

DoDI 5000.2 (May 2003)

Small Quantity Acquisition Phase Model -- NSS Acq Policy 03-01

Relationship to Joint Capabilities Integration & Development System
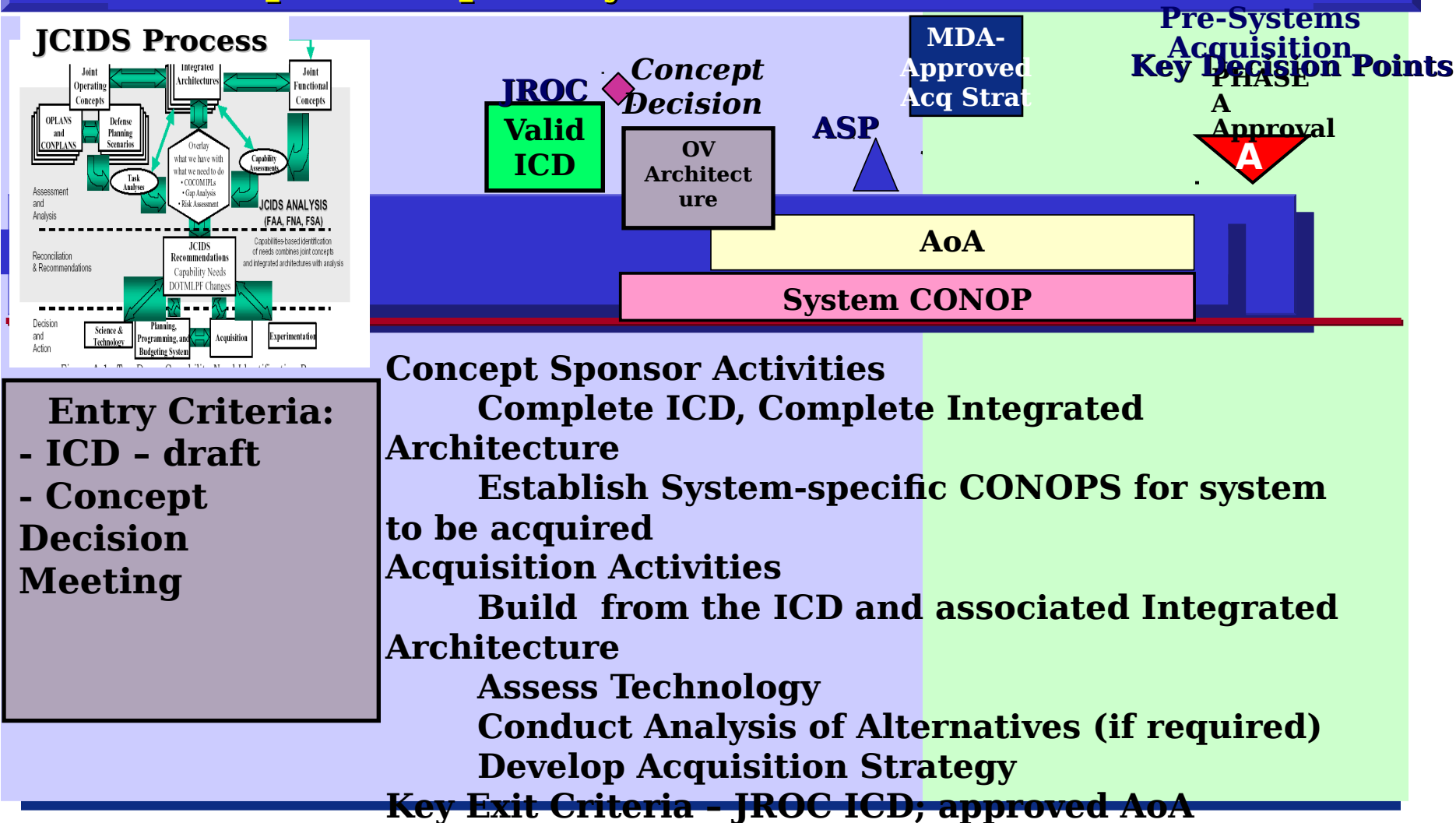
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New NSS Acq Process:

- **Conducts timely, focused independent program assessments before proceeding into next acq phase via:**
    - **Independent Program Assessment Team (IPAT) process**
    - **Independent Cost Assessment Team (ICAT) process**
        - **OSD Cost Analysis Improvement Group (CAIG) leads Independent Cost Assessment/Independent Cost Estimate**
        - **ICAT members will include AF, Army, Navy and NRO**

- **Defense Space Acquisition Board (DSAB)**
    - **One decision maker - USecAF**
    - **Open, inclusive process and discussion**
        - **Extends to acquisition strategies, IPRs, etc.**

NSS Space Acq Policy 03-01: Pre-KDP-A Activities

JCIDS Process

Pre-Systems Acquisition Key Decision Points

MDA-Approved Acq Strat

JROC **Concept Decision**

Valid ICD

OV Architecture

ASP

PHASE A Approval

A

AoA

System CONOP

Entry Criteria:
- ICD – draft
- Concept Decision Meeting

Concept Sponsor Activities
     Complete ICD, Complete Integrated Architecture
     Establish System-specific CONOPS for system to be acquired
Acquisition Activities
     Build from the ICD and associated Integrated Architecture
     Assess Technology
     Conduct Analysis of Alternatives (if required)
     Develop Acquisition Strategy
Key Exit Criteria – JROC ICD; approved AoA

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NSS Space Acq Policy 03-01: Phase A – Study Phase

Pre-Systems Acquisition

MDA-Approved Acq Strat.

PHASE A Approval

A

Initial SV & TV Architecture

T&E STRAT

AS P

JROC

CDD

PHASE B Approval

B

SRR

Entry Criteria:
- JROC approved ICD
- AoA (if required)
- System CONOP
- MDA approved Acq Strategy

Concept Sponsor Activities
 - Complete CDD – Iterative process: refine concepts, use trade studies
Acquisition Activities
 - Refine concepts and architectures - Conduct concept studies/trade studies
 - Access & mature technologies
 - Conduct requirements development activities: e.g. Successful System
   Requirements Review (reqmts derivation, flow-down, definition, etc)
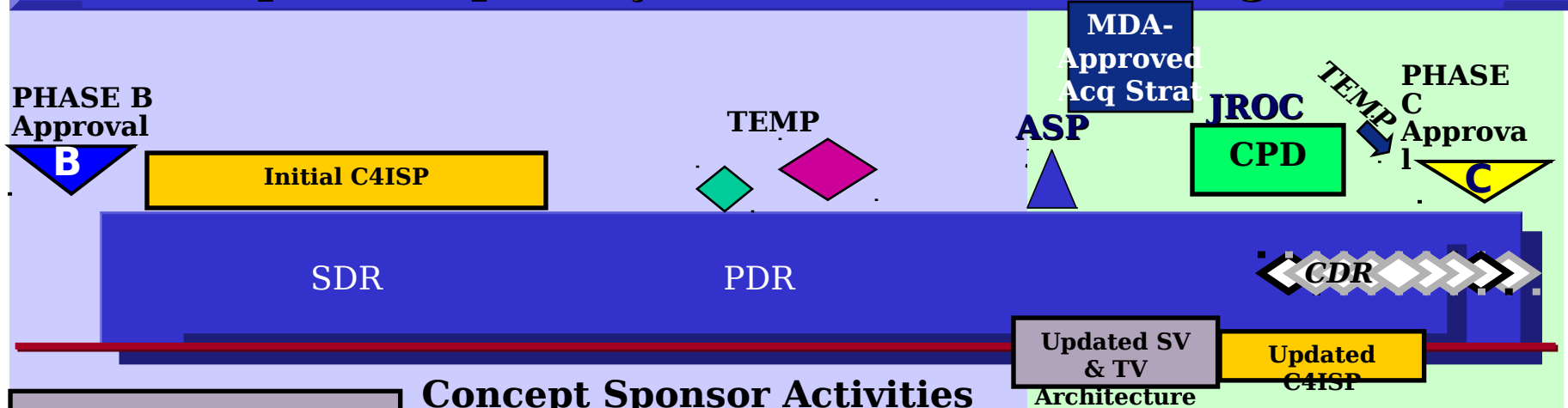 - Establish Acquisition Program Baseline

Integery Exit Criteria – iRefined Concepts & Architectures

15

NSS Space Acq Policy 03-01: Phase B - Design Phase

PHASE B Approval
B

MDA-Approved Acq Strat

PHASE C Approval
C

TEMP

ASP

JROC
CPD

TEMP

Initial C4ISP

SDR

PDR

CDR

Updated SV & TV Architecture

Updated C4ISP

Entry Criteria:
- JROC approved CDD
- MDA approved Acq Strategy
- OT&E approved T&E Strategy
- Submitted C4ISP
- Acq Program Baseline

Concept Sponsor Activities
- Complete CPD - Iterative process with acquisition design completion

Acquisition Activities
- Design system – Finalize trades due to technology, cost (iterative with Sponsor)
- Complete system design reviews: SDR, PDR, CDR
- Complete technology maturation. Goal: all at TRL 6 by PDR
- Begin component, sub-system build
- Prepare for manufacturing - drawings/tooling for satellite integration
- Complete plans for supportability, test, program protection, etc

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NSS Space Acq Policy 03-1 – Phase C Build

TEMP

PHASE C Approval

C

MDA Follow on/OPtion Buy Approval

1st Launch

Upgrade Decision

BUILD　　　**TEST**　　　**DEPLOY**

Entry Criteria:	Concept Sponsor Activities
- JROC approved CPD	- Prepare for and support system deployment – training, support to OT&E
-OT&E approved TEMP	Acquisition Activities
- Approved C4ISP	- Build system: KDP C for satellites approves build for first R&D sats
- Final Satellite Design	- Test System
- Technology Matured	- Deploy system – Launch satellite & Complete System Test
	- Continue build, test, deploy, test through completion of constellation

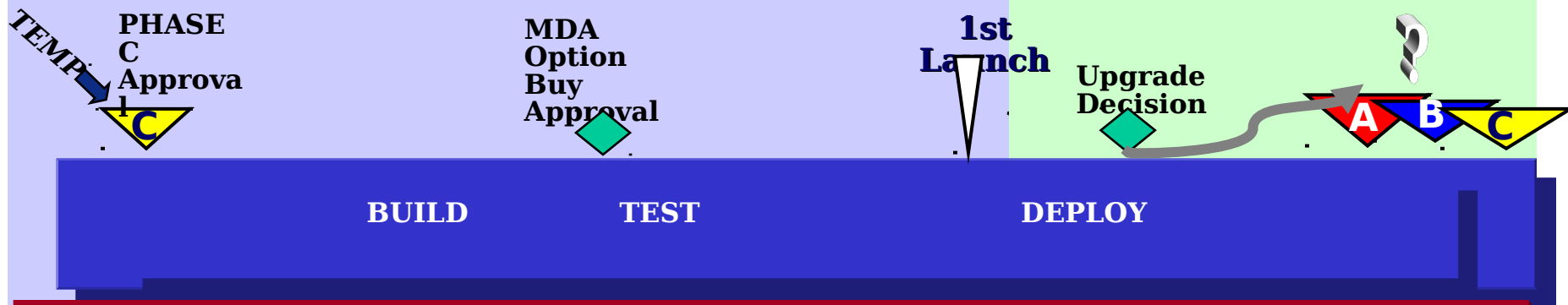Upgrade Decision: - Accomplish Upgrades or Return to Key Decision

PHASE C – Build phase
Build, integrate, test, deploy (launch) system

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NSS Space Acq Policy 03-1 – Phase C Build

TEMP

PHASE C Approval C

MDA Option Buy Approval

1st Launch

Upgrade Decision

A B C

BUILD   **TEST**   **DEPLOY**

Entry Criteria:
- JROC approved CPD
-OT&E approved TEMP
- Approved C4ISP
- Final Satellite Design
- Technology Matured

Concept Sponsor Activities
 - Prepare for and support system deployment – training, support to OT&E

Acquisition Activities
 - Build system: KDP C for satellites approves build for first R&D sats
 - Test System
 - Deploy system – Launch satellite & Complete System Test
 - Continue build, test, deploy, test through completion of constellation

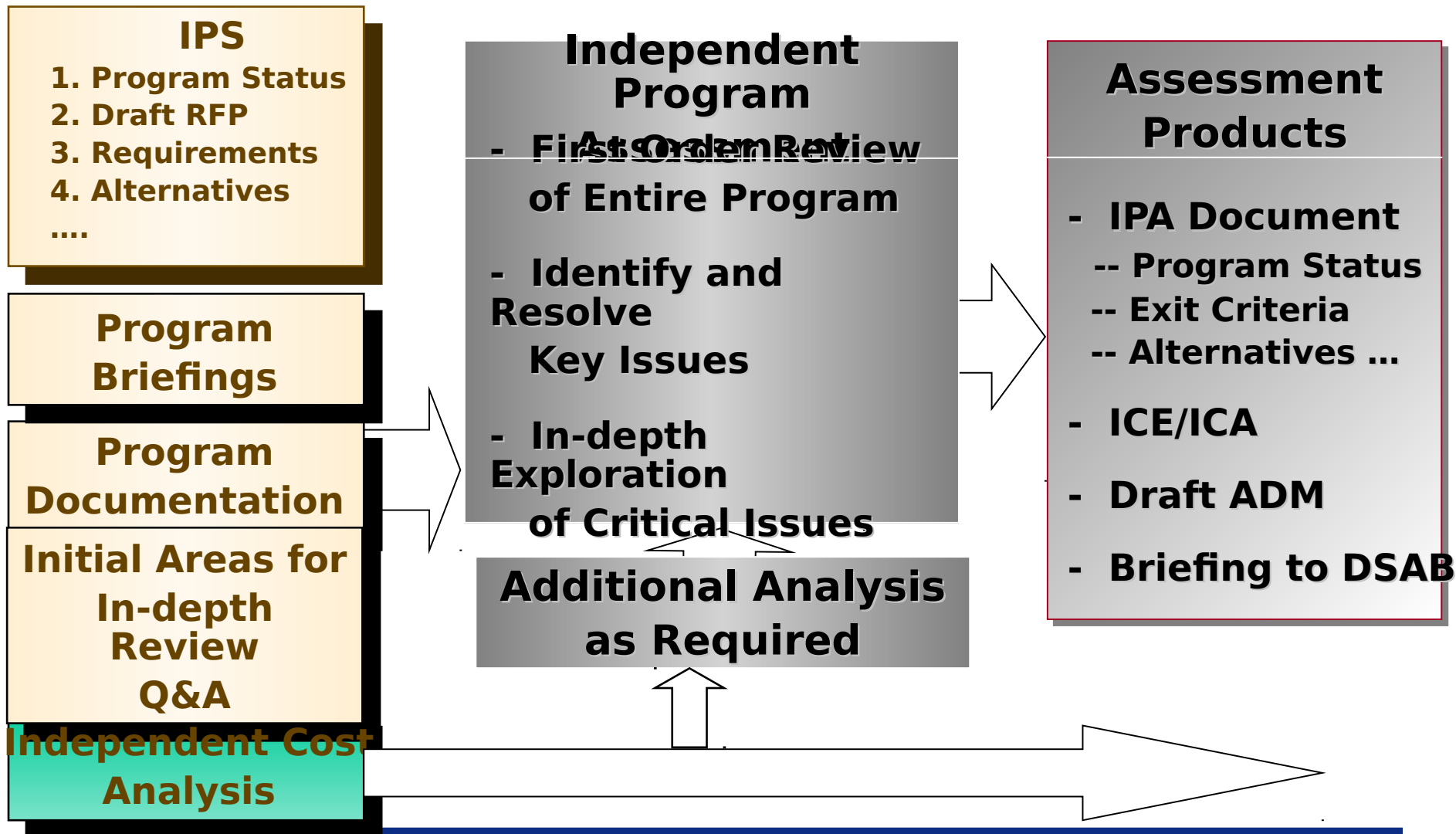**Upgrade Decision: - Accomplish Upgrades or Return to Key Decision**

Integrity - Service - Excellence

18

Independent Program Assessment Approach

IPS
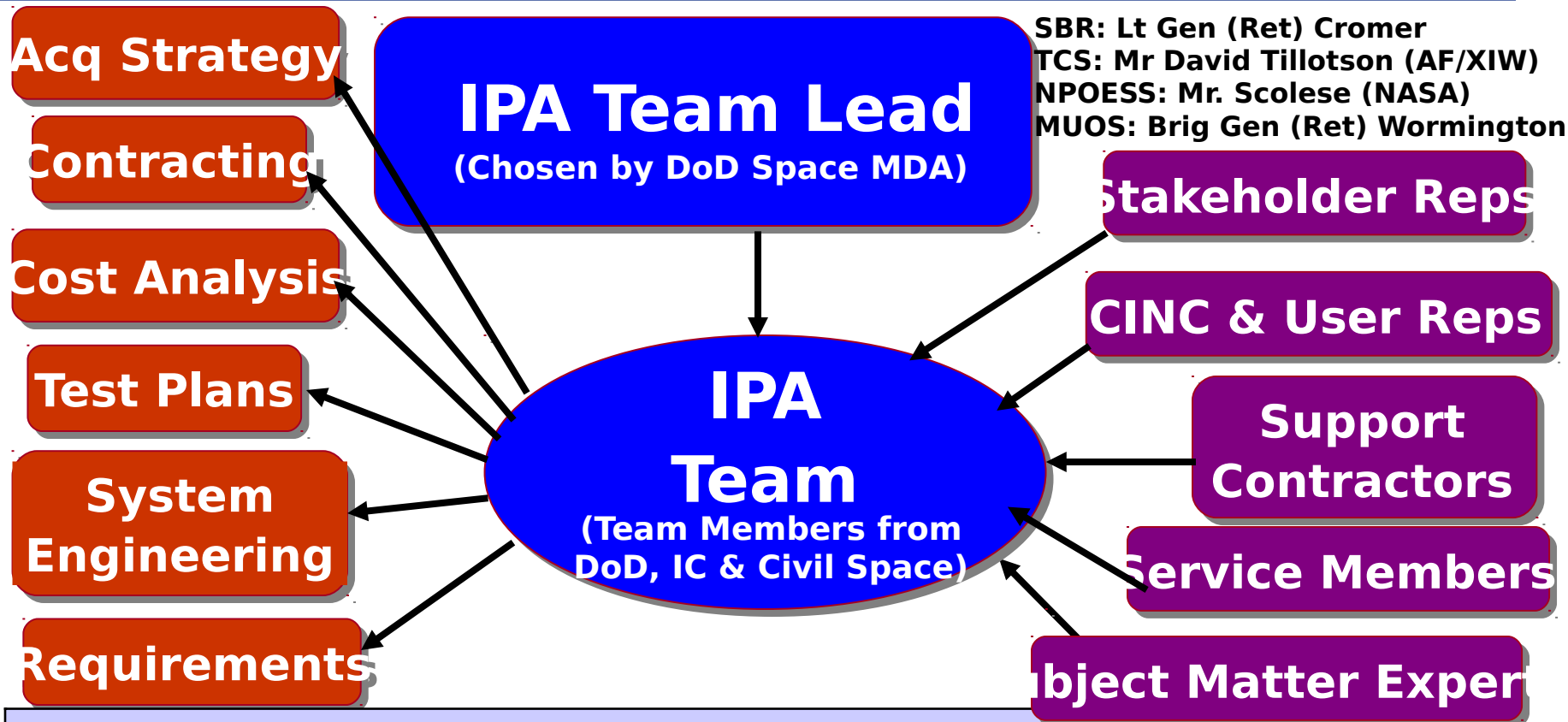1. Program Status
2. Draft RFP
3. Requirements
4. Alternatives
....

Program Briefings

Program Documentation

Initial Areas for In-depth Review Q&A

Independent Cost Analysis

Independent Program Assessment

- First Order Review of Entire Program

- Identify and Resolve Key Issues

- In-depth Exploration of Critical Issues

Additional Analysis as Required

Assessment Products

- IPA Document
  -- Program Status
  -- Exit Criteria
  -- Alternatives ...

- ICE/ICA

- Draft ADM

- Briefing to DSAB

Acq Strategy

Contracting

Cost Analysis

Test Plans

System Engineering

Requirements

IPA Team Lead
(Chosen by DoD Space MDA)

IPA Team
(Team Members from DoD, IC & Civil Space)

SBR: Lt Gen (Ret) Cromer
TCS: Mr David Tillotson (AF/XIW)
NPOESS: Mr. Scolese (NASA)
MUOS: Brig Gen (Ret) Wormington

Stakeholder Reps

CINC & User Reps

Support Contractors

Service Members

Subject Matter Expert

"*The kind of review that the USecAF/DNRO would do personally if he had the time*"

- 1. System Acquisition Strategy
- 2. Execution Status of Program
- 3. ADM Exit Criteria from previous KDP
- 4. Requirement & Architecture Summary
- 5. System Engineering Process Review and System Engineering Management Plan
- 6. Alternatives assessed & results
- 7. Most Promising Alternative and Rationale
- 8. Cost Drivers/Major Trade Offs
- 9. Risk Management - Risk Assessment/Risk Reduction Plan
- 10. Support Issues & Plans (i.e., Manpower, Training, Logistics, etc.)
- 11. Architecture Description (including interfaces with other systems & architectures)
- 12. Clinger Cohan Act Compliance
- 13. Program Protection Planning, Information Assurance Strategy & Cryptological Systems
- 14. DT&E and OT&E approach
- 15. Program Environmental, Safety & Occupational Health Evaluation (PESHE)
- 16. Program Office Estimate and FYDP Implications
- 17. Recommendations (i.e., Draft ADM, Draft Exit Criteria, Draft APB if KDP C)

*Notional DSAB Invite List for AF Space MDAP

USAF

SAF/AQ
SAF/FM
SAF/US(D)
SAF/GC
USAF/XO
USAF/XP
USAF/IL
USAF/XI
AFSPC/CC
AFMC/CC
AFPEO/SP
SAF/USI
SAF/USA

* **Tailored To Individual Program**
* **Requires Empowered Participants**

MDA for DoD Space

Mission Partners

DOC; NASA NOAA; DOT

Stakeholders, Users, & Customers

USD(AT&L); USD(P); USD(C)
OSD(PA&E); Dir OT&E; ASD/NII
USD(I); DDR&E; DDNRO; Dir NSS
USec Army; Army /G8; SMDC/C
USec Navy; Navy N7
Dir DARPA; VCJCS; JCS J8
USSTRATCOM
Navy Space Command

- **MDA is the Single Point Decision Maker for DoD Space Acquisitions**
- **VCJCS is DSAB Co-Chair**
- **DSAB members make recommendations to the MDA**

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- **New Space Acquisition Policy**

✓ **Establishes a "common" acquisition process between NRO and DoD that is tailored for space systems**

✓ **Improves the probability of delivering what we promise**

✓ **Reduces the Acquisition Decision Cycle Time**

- **Programs, People, Processes Key to successful implementation**

  - **Collaboration among SAF/US, User, Test, and S&T**

Questions?

POCs:

DSAB Executive Secretariat – SAF/USI National Security Space Integration

    DSAB POC – Col Rouge

    John Crider (john.crider@pentagon.af.mil)

    Mike Dwyer (michael.dwyer@pentagon.af.mil)

NSS 03-01 Policy – SAF/USA Director of Space Acquisitions

    NSS 03-01 POC – LTC Leslie Blackham (leslie.blackham@pentagon.af.mil)

SMC DSAB facilitator – SMC/AXD

    Facilitator – Maj Dave Tsui (david.tsui@losangeles.af.mil)

Web Page: http://www.safus.hq.af.mil/usa/usap/index.html

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- **SAF/USA owns the process**
  - **Writes/Interprets the policy**
  - **Coordinates and staffs key acquisition documents:**
    - **SSAS, APB, ADM, DAES, SAR, etc**

- **SAF/USA is USecAF staff for Component Acquisition Executive role**
  - **Monitors compliance with ADM direction**
  - **Tracks actions after the KDP-C**

- **SAF/USA PEMs are still the primary program liaison**

- **Others: AQR, AQC, AQX, GC still support USecAF in his role as CAE and MDA**
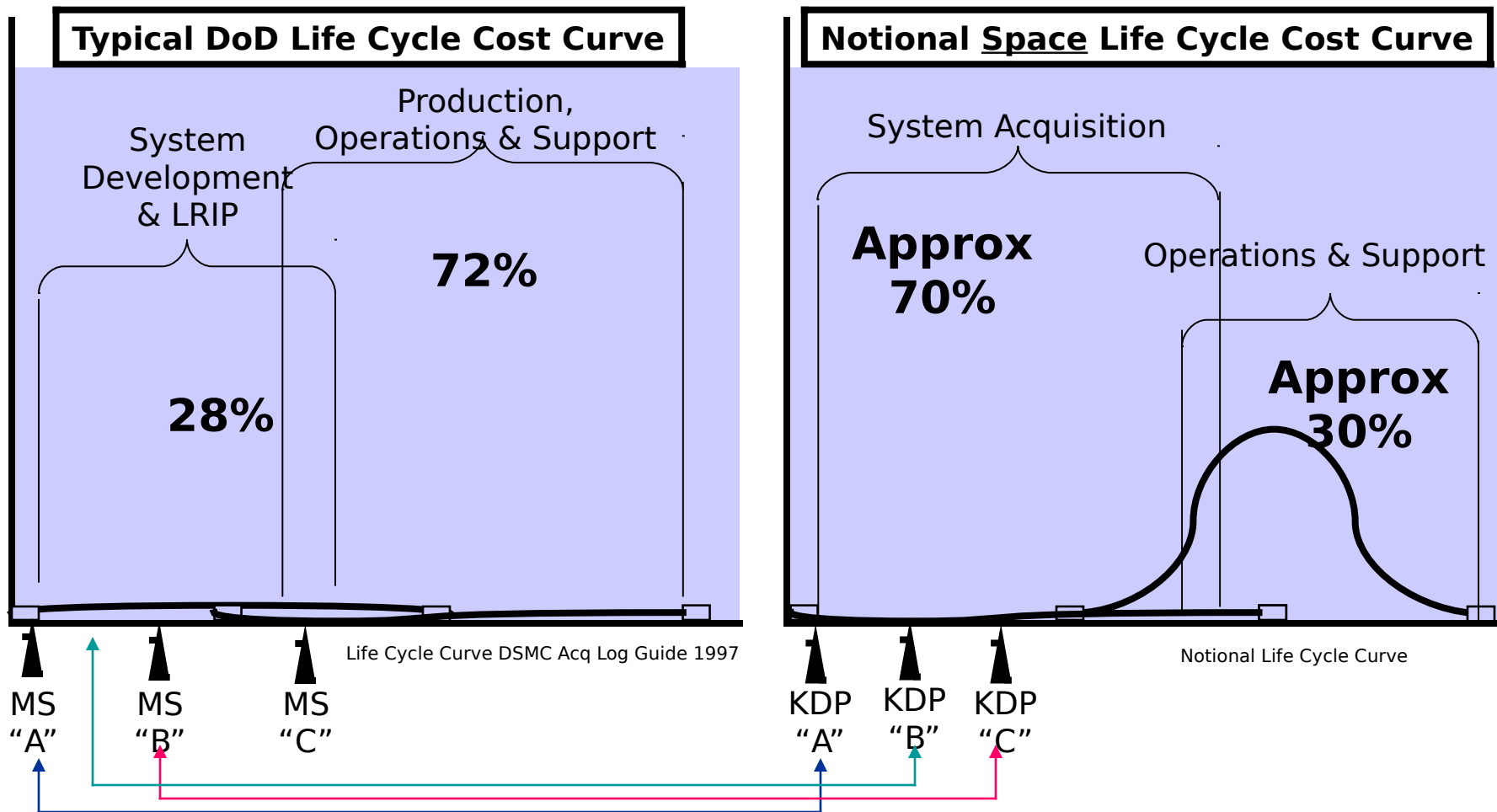 - **Example: AQC is the ASP Secretariat for SAF/US**

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- **DSAB Executive Secretariat – SAF/USI National Security Space Integration**
  - **DSAB POC – Col Rouge**
    - **John Crider (john.crider@pentagon.af.mil)**
    - **Mike Dwyer (michael.dwyer@pentagon.af.mil)**
- **NSS 03-01 Policy – SAF/USA Director of Space Acquisitions**
  - **NSS 03-01 POC – LTC Leslie Blackham (leslie.blackham@pentagon.af.mil)**
- **SMC DSAB facilitator – SMC/AXD**
  - **Facilitator – Maj Dave Tsui**
  - **(david.tsui@losangeles.af.mil)**
- **Web Page**
  - **http://www.safus.hq.af.mil/usa/usap/index.html**

Typical DoD Life Cycle Cost Curve

System Development & LRIP

Production, Operations & Support

72%

28%

Life Cycle Curve DSMC Acq Log Guide 1997

MS "A"   MS "B"   MS "C"

Notional <u>Space</u> Life Cycle Cost Curve

System Acquisition

Approx 70%

Operations & Support

Approx 30%

Notional Life Cycle Curve

KDP "A"   KDP "B"   KDP "C"

IPS

- **Execution Status of Program**
  - **Program mgmt structure & office staffing levels**
  - **"New Start" Certification/Notification**
  - **High-level program description**
  - **Program process made in prior phase**
  - **Current content and cost compared to original baseline**
  - **Unit costs & baseline changes**
  - **Current financial execution**
  - **Use of Earned Value Mgmt System**
  - **Cooperative opportunities w/ Allies**
  - **Registration with DoD CIO**
  - **Status of program application for Frequency Application Status**
  - **Program related technology assessments & issues identified by labs**
  - **Next phase executability projection & assumptions**

IPS

- **Space System Acquisition Strategy**
  - **Program Description**
    - **Description of program**
    - **Capability being provided/met**
    - **Cost goals, delivery/performance period, performance characteristics**
    - **Compliance with DoD Strategic Plan**
  - **Program Office Description & Activities**
  - **Risk Areas & Design Considerations**
    - **Those affecting acquisition strategy**
    - **Cost, schedule, performance constraints**
  - **Acquisition Approach and Program Structure**
    - **Use and structure of Evolutionary Acq**
    - **Life cycle program schedule with key dates**
    - **Monthly schedule for upcoming phase**
  - **Business and Contracting Strategy**
  - **Potential Sources**

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IPS

- **Summary of fulfillment of direction at previous KDP & ADM Exit Criteria**
- **Requirements and Architecture Summary**
  - **Req't set program expected to satisfy**
  - **Time of and authority who validated req'ts**
  - **Reasons for req'ts shortfalls, waivers, etc. & remaining validation activity**
  - **JROC approved NSSA req'ts applying to program**
  - **How program will meet program protection, system vulnerability, and radiation hardening requirements**
  - **Space Situational Awareness req'ts**

IPS

- **Systems Engineering**
  - **Systems Engg Management Plan**
  - **System req'ts ID & flow down**
  - **Mgmt & interface control mechanisms**
  - **Traceability of capability needs to system req'ts**
  - **Traceability of system req'ts to design components**
  - **Use of value engineering principles**
  - **Status of key SE processes/practices**
- **Alternatives Assessed & Results**
  - **For KDP-A → AoA results**
  - **For KDP-B → concept/arch studies**
  - **For KDP-C → design alternatives**
- **Most promising alternatives and rationales**
  - **Cost, schedule, and performance assessment of MPA & rationales**

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IPS

- **Cost Drivers & Major Trade-offs**
  - Use of Cost As an Independent variable
  - Current cost drivers
  - Prior & future major tradeoff decisions
  - Contractor incentivization
  - If using commercial system, strategy to ensure cost goals
- **Risk Management**
  - Risk mgmt plan summary
  - Proposed risk sharing arrangements
  - Components/subsystems most directly affected
  - Risk mitigation strategies
  - How maturity of software contractor & effort was determined

IPS

- **Support Issues & Plans**
  - Manpower resource req'ts
  - Plans for training
  - Logistics supportability concepts
  - Planned adherence to relevant directives, policies, etc.
  - Depot maintenance
  - Transition schedule to Lead Command
- **Architecture Description**
  - Arch & interface with other systems and architectures
  - OV, TV, SV architecture products
  - Systems in acquisition or operations
  - SSA interface req'ts
  - Interfaces/impacts with other NSS organizational elements & external organizations
  - Synchronization across programs and among elements and segments, including disconnects

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IPS

- **Clinger-Cohen Act Compliance**
- **Program Protection Planning, Information Assurance Strategy, & Cryptological Systems substantiation**
- **Developmental and Operational Testing Approach**
  - **Overall structure and objectives**
  - **Necessary activities**
  - **Relationship to test objectives to critical operational issues, technical parameters, etc.**
  - **Link verification matrix in operational test plan to validated req'ts documents**

IPS

- **Program Environmental, Safety, and Occupational Health Evaluation**
- **Program Office Estimate & Future Years Defense Plan Implications**
- **Recommendations**
  - **Draft of next phase exit criteria & any other program direction desired**
  - **Draft ADM**
  - **Draft APB**
  - **Draft RFP if applicable**

- **What's the Same between NRO Dir 7 & updated USecAF NSS Acq Policy 03-01:**
  - **USecAF / DNRO is the NSS MDA**
  - **IPAT central to streamlined program review process**
  - **Key Decision Points instead of Milestones**
  - **Focused on acquisition of satellite systems**

Processes not identical mainly due to Title 10 MDAP requirements . . .

. . .But they are "common"

Tailored Process for Space:
4 Types of Space Systems

Space System Type	Example
1.) Space-based systems	Satellites
2.) Ground station systems	Satellite ground control, payload data processing stations, space surveillance stations, C2 systems
3.) Satellite launch vehicle systems	Boosters, upper-stage, payload processing facilities, space launch facilities, ground support equipment, etc.
4.) User equipment	Hand-held user terminals, data reception terminals

Tailored Process for Space:
DoD Space MDAP List

USecAF has 11 DoD Space MDAPs and Pre-MDAPs under his MDA:

- **6 Satellite/Ground Station Programs**
    - **AEHF, GPS, NPOESS, SBIRS High, MUOS (Navy), WGS,**
    - **2 Pre-MDAPs: TSAT, and SBR**
- **1 Space Launch Vehicle Program**
    - **EELV**
- **2 User Equipment Programs**
    - **GBS, NESP (Navy)**

Per 1 Jul 03 OSD MDAP List

- **DoD 5000:**
  - **Large quantity production decision based process**
  - **Uses multi-level IPT process for program review prior to MDA milestone decision**

- **USecAF NSS Acq Policy 03-01:**
  - **Small quantity/R&D decision based process**
  - **Uses Independent Program Assessment Team (IPAT) process for program review prior to MDA Key Decision Points**

NRO Dir 7:
- **Not Under 10 USC 2430 MDAP definition**

- **IC Rqmts Process**
- **No Dir OT&E Oversight and approval of test plans required**
- **KDPs linked to contractor down select points (evolved practice)**
- **Acq Strat reviewed by IPAT and approved at NAB**
- **KDP Approval required for RFP release**
- **First APB required @ KDP-C**
- **Congressional reporting through briefings**
- **IPA Teams composed of full-time members with functional area advisors**
- **ICA/ICE by NRO Cost Group**

USecAF NSS 03-01:
- **Under 10 USC 2430 MDAP definition—drives acq phase specific tasks**
- **CJCSI 3170 Rqmts Process**
- **BY LAW: Dir OT&E must approve Ops Test Plans (TEMPs)**
- **KDPs start/end acquisition phases (study, design, build)**
- **Acq Strat reviewed by ASP and approved by MDA _prior_ to DSAB**
- **Acq Strategy approval required for RFP release**
- **First APB required @ KDP-B**
- **Subject to SAR/UCR reporting per 10 USC 2433 and 2334**
- **IPA Teams include "full-time" core members & "part-time" stakeholder members**
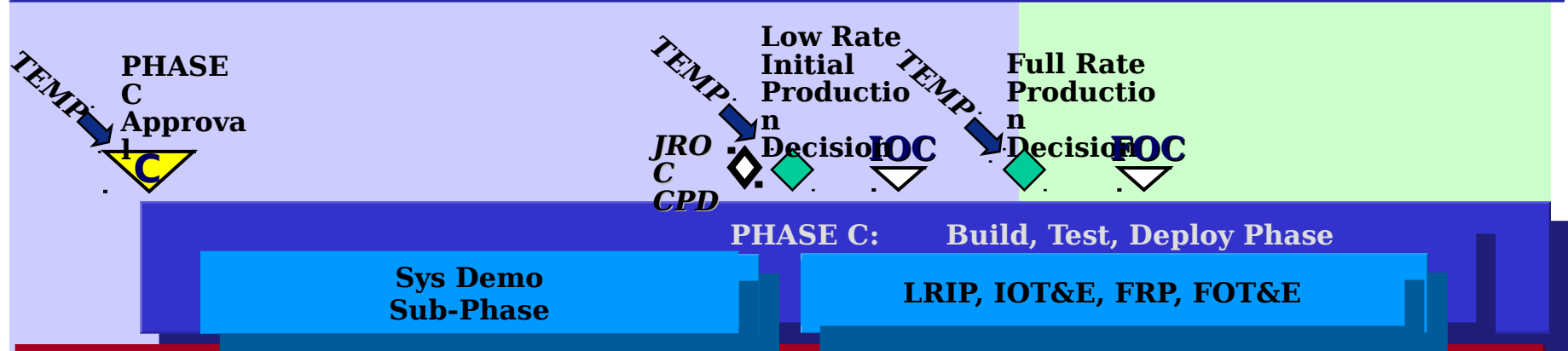- **ICA/ICE led by OSD CAIG**

PHASE C – Build phase, production based

Demonstrate, Build, Test, Produce

Space Acq Policy 03-1: Phase C – Build Phase for Production Based

TEMP

PHASE C Approval

C

Low Rate Initial Production Decision

TEMP

Full Rate Production Decision

TEMP

JROC CPD

IOC

FOC

PHASE C: Build, Test, Deploy Phase

Sys Demo Sub-Phase

LRIP, IOT&E, FRP, FOT&E

Entry Criteria:	**Concept Sponsor Activities**
- JROC approved CDD	- Complete CPD – Interactive with acquisition activities
-OT&E approved TEMP	- Prepare for and support system deployment – training, support to OT&E
- Approved C4ISP	**Acquisition Activities**
- Prototype(s) Ready for Demonstration	- Demonstrate system - Finalize production design with sponsor
- Technology Matured	- Build LRIPs
	- Complete IOT&E
	- Complete Full Rate Production Decision
	- Continue build, test, deploy through completion of fielding

Integrity - Service - Excellence

38